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The use of a front-end minicomputer to provide varied remote terminal access to a large scale computer is considered. The problems of embedding telecommunications I/O within an operating system are discussed, and it is shown how the decentralization of intelligence acquired by front-end processing vastly simplifies the problem. A specific implementation is discussed with emphasis on the main processor-minicomputer link, the hardware-software implementation, the effect on the main processor ...

Keywords: front-end processor, minicomputer, remote job entry, remote terminals, telecommunications

4 A retro/prospective on APL Graphpak

Walt Niehoff.

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This paper suggests two general directions that one could take to modernize APL2 Graphpak and revitalize its evolution. One direction springboards off lessons learned during Graphpak's first decade and from some thinking that evolved during early (c. 1980) experiments with general arrays. The second direction exploits general arrays and APL2 functionality at a user-level. Some experiments are reported relating to both areas

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